

[APPLICATION PROGRAMMING INTERFACE FOR PROVISION OF DICOM SERVICES]

Abstract of Disclosure

An application programming interface (API) for enabling a business layer of a tiered DICOM application to talk to different implementations of a data management layer. The invention has particular application in a PACS view station. In particular, the invention is directed to an API that forms the seam between a business layer that requests DICOM service by synchronous messaging and a data management layer that passes on those requests to the service provider by asynchronous messaging. Thus, an application developer need not write code for the business layer that accounts for the DICOM callback mechanism, which confirms completion of a requested DICOM service. Instead the data management implementation, which is hidden from the user, handles the callback mechanism so that responses to requests for DICOM service appear instantaneous to the user.

20250101 14:00:00